

# SILVERCREST®

HOME TECH

## Wireless Headphone

- GB Wireless Headphone
- IE User manual and service information
- CY



RFH 1863



## Introduction

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Thank you for choosing a SilverCrest product.

These SilverCrest Wireless Headphones RFH 1863 have been designed for receiving wireless high-quality stereo sound from audio playback devices. The range of the wireless signals will be up to 100m (300ft) under optimum conditions, depending on the environment. Furthermore it features an FM radio receiver.

## Buttons and Connectors

The numbers printed on the inner cover page of this manual represent the following items:

- 1 On/Off button of the transmitter cradle and frequency selection switch (on the back panel)\*
- 2 Audio input jack of transmitter cradle (on the back panel)\*
- 3 Power receptacle (on the back panel)\*
- 4 Raise volume
- 5 Search radio station / set tuning frequency
- 6 Lower volume
- 7 Mode selection switch
- 8 Radio reception and wireless reception indicator
- 9 Headphones audio input jack
- 10 Removable ear cushion pad with battery compartment and function selection switch
- 11 Headphones power indicator
- 12 Charger input jack
- 13 Headphones On/Off button
- 14 Battery compartment (on the bottom)
- 15 Transmitter cradle power and charging indicator
- 16 Send indicator

\* see also on page 8

## Contents

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|  |    |
|--|----|
| Introduction .....                                       | 1  |
| Buttons and Connectors.....                              | 1  |
| Important Safety Instructions .....                      | 3  |
| Danger Through Noise Disturbance.....                    | 3  |
| Operating Environment .....                              | 4  |
| Intended Use .....                                       | 4  |
| Maintenance and Care .....                               | 4  |
| Children .....   | 5  |
| Batteries and Rechargeable Batteries .....               | 5  |
| RF Interface.....  | 5  |
| Conformity .....   | 6  |
| Disposal of Old Devices .....                            | 6  |
| Getting started .....                                    | 7  |
| Package Contents .....                                   | 7  |
| Connection the Transmitter Cradle .....                  | 8  |
| Charging the Battery of the Wireless Headphones .....    | 9  |
| Powering the Headphones On/Off .....                     | 10 |
| Choosing the Operating Mode .....                        | 10 |
| Powering the Transmitter Cradle On/Off.....              | 10 |
| Adjusting the Volume .....                               | 11 |
| Setting the Wireless Channel.....                        | 12 |
| Receiving Radio Stations.....                            | 13 |
| Using the Headphones with a Wired Connection .....       | 14 |
| Battery Operation.....                                   | 15 |
| Powering the Headphones by Using Batteries .....         | 15 |
| Powering the Transmitter Cradle by Using Batteries ..... | 17 |
| Appendix.....  | 18 |
| Troubleshooting.....                                     | 18 |
| Technical Specifications.....                            | 19 |
| Details of Guarantee .....                               | 21 |

## Important Safety Instructions

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Before you use this device for the first time, please read the following notes in this manual and heed all warnings, even if you are familiar with handling electronic devices. Keep this manual safe for future reference. If you sell the device or pass it on, it is essential you hand over this manual also.

**Warning: Notice on Mains Separation.**

The On/Off switch of this device does not fully disconnect the device from the mains. Furthermore, the device consumes electricity in the Standby mode. In order to completely disconnect the device from the mains, the power adapter must be pulled out from the wall outlet. For this reason, the device should be positioned in a way that assures unobstructed access to the wall outlet so that the power plug can be immediately pulled out in an emergency situation. To avoid the danger of fire if the device is not going to be used for a long while (e.g. during holidays), it should always be disconnected from the power socket.

Do not open the housing of the power adapter - it contains no serviceable parts! By opening the housing you endanger your life through risk of electric shock.

Before stormy weather when there is the danger of lightning, disconnect the device from the power supply.

## Danger Through Noise Disturbance



Caution when using headphones. Listening at high volume can harm the user's auditory system.

According to safety regulations the maximum permitted noise level is 100 dB(A). The device fully complies with these legal requirements.

Do not use the headphones at high volume levels otherwise you will damage your ears and possibly disturb other people. Under dangerous circumstances, e.g. on the road or when operating machines, do not use the headphones. Despite the device being designed in such a way that it enables you to perceive external noise, never adjust the volume to such a high level that you are not capable of hearing what is happening around you.

## Operating Environment

Position the device on a stable, even surface and do not place any objects on the device. The device is not for use in environments with a high temperature or humidity (e.g. bathrooms), and must be kept free of dust. Operating temperature and operating humidity: 5 °C to 40 °C, max. 90% RH

Always make sure that:

- no direct heat sources (e.g. heating) can affect the device;
- no direct sunlight or artificial light reaches the device;
- contact with spray, dripping water and corrosive liquids must be avoided and the device should never be operated near water, and it must especially never be immersed (do not place any objects filled with liquids such as vases or drinks near the device);
- the device is never placed in the immediate vicinity of magnetic fields (e.g. loudspeakers);
- no fire sources (e.g. burning candles) are placed on or near the device;
- no foreign bodies are introduced into the device;
- the device should not be subject to any sharp temperature changes;
- the device is not subject to excessive shocks and vibrations;

## Intended Use

This device is a consumer electronics device. The device may not be used outdoors or in tropical climates. Only external devices may be used that comply with safety standards and the electromagnetic compatibility and shielding quality of this device. This device fulfils all that relates to CE Conformity, relevant norms and standards. Any modifications to the equipment other than recommended changes by the manufacturer may result in these directives no longer being met. Only use the accessories recommended by the manufacturer.

## Maintenance and Care

Servicing is required when this device has been damaged in any way, for example, when liquid has entered the product, when the product has been exposed to rain or moisture, when the product does not work normally or if the product has been dropped. If smoke, unusual noises or smells are noticed, power off the device immediately. In this case the device should not be used further and should be inspected by authorized service personnel. Please contact qualified personnel when repair is needed. Never open the

housing of the device, or the accessories. Only use a clean, dry cloth for cleaning. Never use any corrosive liquids.

## Children

Electrical appliances do not belong in the hands of children. Do not allow children to use electrical devices when not under supervision. Children may not comprehend the presence of potential risks. Batteries and small parts represent potential choking hazards. Keep batteries out of reach of children. If a battery is swallowed, seek medical help immediately. Keep the packaging away from children too as there is danger of suffocation.

## Batteries and Rechargeable Batteries

These headphones use a rechargeable Lithium-Polymer battery. This battery must only be removed or replaced by an authorized service centre.

Insert the batteries with the correct polarity. Refer to the polarity markings inside the battery compartment. Do not try to recharge the batteries and do not throw batteries into fire. Do not mix batteries (old and new or carbon and alkaline, etc.). Remove batteries when the device is not to be used for a long time. Non-intended use may cause explosion and danger to life.



Respect the environment. Old batteries do not belong in with domestic waste. They must be handed in to a collection point for old batteries.

## RF Interface

Turn the device off when onboard an aircraft, in a hospital, in a surgery area or near medical electronic equipment. The RF signals may interfere with the functionality of sensitive devices. Place the device at least 20cm (8 inches) away from pacemakers, as the RF signals may interfere with the functionality of the pacemaker. The transmitted RF signals can cause interference with hearing aids. Do not place the device with the wireless adapter turned on near flammable gases or in an explosion-sensitive area (e.g. a paint shop), as the transmitted RF signals may cause explosions or fire.

The range of the radio wave signals depends on environmental conditions. When transmitting wireless data it is possible that unauthorized parties may receive data. Targa GmbH is not liable for any interference caused to RF or TV signals through unauthorized modification to this device. Furthermore, Targa GmbH does not assume any liability for replacing any cables or

devices that have not been specifically approved by Targa GmbH GmbH. The user is solely responsible and liable for troubleshooting any interference caused by unauthorized modification of this device and for replacing appliances.

## Conformity



This device has been approved for compliance with the basic and other relevant requirements of the EMC Directive 2004/108/EC, the Low-voltage Directive 2006/95/EC and the R&TTE Directive 99/5/EC. The corresponding Declaration of Conformity can be found at the end of this User's Manual.

## Disposal of Old Devices



Devices marked with this symbol are subject to the European Directive 2002/96/EC. All electric and electronic devices must be disposed of separately from household waste at established bodies. Avoid hazards to the environment and dangers to your personal health by disposing of the device properly.

For further information about proper disposal, contact your local government, disposal bodies or the shop where you bought the device. Old batteries do not belong in with domestic waste. They must be handed in to a collection point for old batteries.



## Getting started

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### Package Contents



- 17 Wireless headphones RFH 1863 with transmitter cradle
- 18 Plug-type power adapter DB050020D
- 19 Connection cable, 2m (6ft),  
3.5mm jack-type plug to 3.5mm jack-type plug
- 20 Connection cable, 4m (12ft),  
3.5mm jack-type plug to 3.5mm jack-type plug
- 21 Adapter cable, 30cm (1ft)  
3.5mm jack-type plug to 2x Cinch plug
- 22 Adapter plug,  
3.5mm jack-type plug to 6.3mm jack-type plug

## Connection the Transmitter Cradle



Figure: Detailed view of the transmitter cradle back panel

- To connect to Hifi equipment, use one of the supplied connection cables (see previous page, item 19 or item 20). Connect one end of the connection cable to the audio input jack (2). Connect the other end of the cable to the headphones output jack of your Hifi equipment.



*If your Hifi equipment features a 6.3mm jack connector, connect the adapter plug (see previous page, item 22) to the cable.*

*You may also connect the adapter cable (see previous page, item 21) to the cable to use the Cinch audio outputs of your Hifi equipment.*

- Plug the plug of the power adapter (18) into the power receptacle (3). Plug the power adapter into a wall outlet.



*If an icon representing a house is printed on the product, it is designed for indoor use only. Therefore, only use the power adapter indoors.*

- As soon as the transmitter sends an audio signal, the send indicator (16) of the transmitter will light blue.

## Charging the Battery of the Wireless Headphones

Please charge the battery before first use of the product. A charging cycle takes approx. four hours.

Connect the plug-type power adapter to the transmitter cradle and to a wall outlet (see previous page).

- Place the headphones onto the cradle, as shown in the figure below. The charging contacts of the transmitter cradle must touch the charging contacts of the headphones (12).



- The power and charge indicator (15) of the transmitter cradle will light orange whilst the battery is charging. When the charging process is completed, the power and charge indicator will light green.



*If you place the headphones onto the transmitter cradle while it is powered on, it will power off automatically.*

## Powering the Headphones On/Off

If the battery level of the headphones is high enough (the power and charge indicator (15) on the transmitter must light green), you may remove the headphones from the transmitter cradle.



*You may optionally power the headphones by using conventional batteries. For more information, read the information on page 15 – Battery Operation.*

- Press the On/Off button (13) of the headphones once to switch them on. The power indicator (11) will light orange.
- Press the On/Off button of the headphones again to switch them off.

## Choosing the Operating Mode

- Slide the mode selection switch (7) to the “WL” position to use the wireless headphones to listen to an external audio source.
- Slide the mode selection switch (7) to the “FM” position to receive your favourite FM radio programmes.

## Powering the Transmitter Cradle On/Off

You may power the transmitter cradle off whenever it is not needed. When powered off, it will not transmit any RF signals and the headphones battery cannot be charged.

- Slide the On/Off and selection switch (1) on the transmitter cradle to the “Power off” position. All indicators of the transmitter cradle will stop lighting.
- To power the transmitter cradle back on, slide the selection switch onto the position of the previously selected tuning frequency.



*You may optionally power the transmitter cradle by using conventional batteries. For more information, see page 17 – Powering the Transmitter Cradle by Using Batteries.*

## Adjusting the Volume

- Press the VOL+ button (4) once or multiple times to increase the sound volume.
- Press the VOL- button (6) once or multiple times to decrease the sound volume.



*If you have connected your headphones to an external audio source, you may also adjust the volume directly on the audio source (for instance, by using the remote control of your Hifi equipment).*

*If the audio output volume of your audio source is too low, the transmitter will not send any signals (the send indicator (16) will stop lighting). As soon as the audio source volume increases to a sufficient level, the signal transmission will resume automatically.*

## Setting the Wireless Channel

Under unfavourable circumstances, the audio signal may be subject to interference. This may happen when you are using a baby phone or other wireless headphones nearby. In this case it is recommended that you switch to another channel.

- Set the transmitter cradle to a different channel by sliding the selection switch (1) on its back panel to a different position (e.g. "Channel 1").
- Power on the audio source that you have connected to the device. The send indicator (16) on the transmitter cradle should light blue.
- Slide the mode selection switch (7) of your headphones to the "WL" position.
- Power the wireless headphones on by pressing the On/Off button (13) once.
- Press the Search button (5) on the headphones as many times as necessary until you can hear the sound over the headphones. After the channel has been synchronised, the wireless link status indicator (8) will light green.



*Each press of the Search button (5) will toggle the headphones one channel up, and will cycle to the first one after Channel 3 (Channel1 -> Channel2 -> Channel3 -> Channel1 -> ...).*

## Receiving Radio Stations

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You may toggle the operation mode of your headphones to radio reception at any time.

- Power the headphones on by pressing the On/Off button (13) once. The power indicator (11) will light orange.
- Slide the mode selection switch (7) of your headphones to the “FM” position. The radio reception indicator (8) will light orange while no radio station has been tuned-in. It will light green as soon as a station has been properly tuned in.
- Press the Search button (5) on the headphones once to switch to the next available station.
- Each press of the Search button will toggle to the next available station until the end of the FM band has been reached. After this, the scan will cycle back from the beginning of the FM band.



*The FM signal reception depends on environmental conditions. If the desired station cannot be received without noise or interference, try to change your location.*

*The last tuned-in station will not be saved when changing the operating mode.*

*To use the built-in FM tuner it is not necessary to power the transmitter cradle on. You may turn it off by press the On/Off and selection button (1).*

## Using the Headphones with a Wired Connection

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If your location is close to the audio source and you don't wish to make portable use of your headphones, you may use them with a normal cable connection. In this case you don't need the wireless capabilities of the transmitter cradle.

For wired operation, use one of the supplied connection cables (see page 7, item 19 or item 20).

- To save battery power, press the On/Off button (13) to power the headphones off.
- Connect one end of the connection cable to the audio input jack (9) of your headphones. Connect the other end of the cable to the headphones output jack of your Hifi equipment.



*If your Hifi equipment features a 6.3mm jack connector, connect the adapter plug (see page 7, item 22) to the cable.*

*You may also connect the adapter cable (see page 7, item 21) to the cable to use the Cinch audio outputs of your Hifi equipment.*



*With this connection type, the headphones work as a passive device. Therefore the volume can only be adjusted on the audio source.*

*Switching to radio reception is not possible during wired operation. If you want to listen to radio stations, you must first disconnect the connection cable from the audio input jack (9) of your headphones.*



## Battery Operation

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You may power both the transmitter cradle and the headphones by using conventional batteries. Batteries are not included in the package.



*Remove batteries when the device is not to be used for a long time.*

*Respect the environment. Old batteries do not belong in with domestic waste. They must be handed in to a collection point for old batteries.*

*Rechargeable AAA-sized batteries cannot be recharged when inserted into the device.*

## Powering the Headphones by Using Batteries

The headphones battery compartment is located in the left earpiece.

- Hold the left earpiece with your hand and use the other hand to rotate the ear cushion counter-clockwise several degrees.



*The ear cushion is fixed on a plastic frame. You need to remove this frame from the locking mechanism together with the ear cushion. Do not pull on the ear cushion itself.*

- Carefully remove the ear cushion from the earpiece.
- Insert two AAA-sized batteries into the earpiece battery compartment. Make sure you match the correct polarity. Note the + and – icons on the batteries and inside the battery compartments.
- Slide the function switch to the “DC2” position to switch to battery mode.
- Place the ear cushion onto the earpiece so that the locking noses of the plastic frame are inserted into the corresponding notches on the earpiece. Next rotate the ear cushion clockwise a few degrees until it is properly aligned on the earpiece.

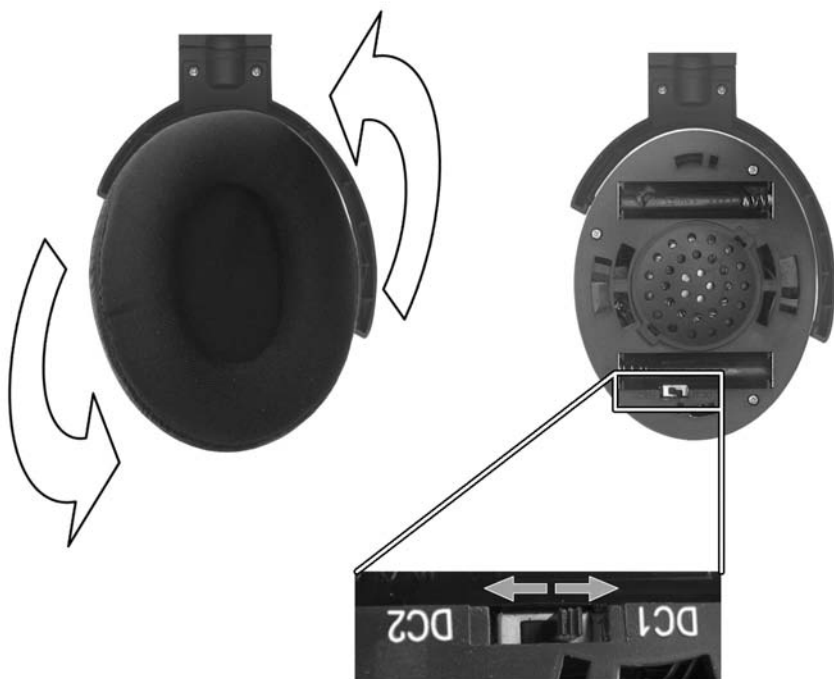


Figure: Detailed view of the function switch

To toggle between conventional batteries and internal rechargeable battery operation you must select the proper position with the function switch located inside the left earpiece (see the detailed figure above).

- Position "DC1" represents internal rechargeable battery operation
- Position "DC2" represents conventional battery operation



*Pay attention to the proper setting of the function switch. If no batteries are inserted and you have left the function switch at the "DC2" position, the headphones will not power on.*

## Powering the Transmitter Cradle by Using Batteries

The transmitter cradle battery compartment is located on the bottom.

- Remove any cable connections and turn the transmitter cradle upside down, holding it in your hand.
- Open the battery compartment by slightly pulling from the latch of the compartment cover. The cover can be opened and then removed.
- Insert three AAA-sized batteries into the battery compartment. Note the + and – icons on the batteries and inside the battery compartment.
- Place the battery compartment cover over the battery compartment so that the locking nose of the cover is inserted into the corresponding notch on the transmitter cradle. Next close the battery compartment cover until it locks in place.



*If you have inserted batteries into the transmitter cradle and you connect the power adapter to the power receptacle (3), battery operation will be disabled automatically. This helps you to save battery power whenever the device is connected to the mains via the power adapter.*

*While the transmitter cradle is on battery power, it will not charge the built-in headphone battery.*

## Appendix

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### Troubleshooting

The headphones do not power on, there are no indicator lights.

Recharge the built-in battery or insert conventional batteries.

Verify the position of the function switch located in the left earpiece. For conventional battery operation it must be placed on the “DC2” position: for operation from the internal rechargeable battery it must be placed on “DC1”.

The headphones power on but there is no sound output.

Check that the transmitter cradle has been powered on and connected properly to your audio source.

Check if the transmitter is sending an audio signal. The send indicator should light blue.

Check if the transmission frequency has been synchronized properly. Try all three channel settings on the transmitter cradle.

Check if the audio source is playing an audio signal. You can use a connection cable to connect the headphones directly to the audio source.

Unable to power the transmitter cradle on.


Did you connect the power adapter or are the inserted batteries well charged?

Sound is interrupted or noisy.

The rechargeable battery or the inserted batteries of the headphones are exhausted. Recharge the internal battery or replace the batteries with new batteries of the same type.

You are beyond the maximum range of the transmitter. Move closer to the transmitter cradle.

## Technical Specifications

|  |  |
|--|--|
| Model                                      | Wireless stereo headphones with scan radio tuner RFH1863   |
| Frequency response                         | 22 – 20,000 Hz   |
| Signal to noise ratio                      | 50 dB  |
| R/L channel separation                     | 30 dB  |
| Number of RF channels                      | 3  |
| Modulation                                 | FM 863 - 865 MHz   |
| Maximum transmission power                 | 9.9 dBm  |
| Radio tuning band                          | FM Radio 87.5 MHz to 108 MHz   |
| Transmission range                         | 100m (300ft) (under optimum conditions)  |
| Nominal output voltage                     | 250 mV   |
| Connectors and Ports                       | 1 x stereo Audio-In 3.5mm jack (headphones)<br>1 x stereo Audio-In 3.5mm jack (transmitter)<br>1 x 5V DC-In  |
| Accessories                                | Stereo adapter 6.3mm to 3.5mm jack<br>2m (6ft) stereo audio cable<br>3.5mm jack to 3.5mm jack<br>4m (12ft) stereo audio cable<br>3.5mm jack to 3.5mm jack<br>Stereo adapter R/L Cinch to 3.5mm jack<br>Power adapter   |
| Power Supply                               | 230V plug-type power adapter (for transmitter)<br>Manufacturer: Targa GmbH<br>Type: DB050020D<br>Input: 220-240 V ~ 50/60 Hz, 25 mA<br>Output: 5,0 V  200 mA                                    |
| Rechargeable battery/<br>battery operation | Rechargeable Lithium-Polymer battery, 900 mAh (built-in in headphones)<br>Alternate power supply for headphones: 2x AAA R03/LR03 batteries (not included in the package)<br>Alternate power supply for transmitter cradle: 3x AAA R03/LR03 batteries (not included in the package) |
| Weights                                    | Headphones: 240 g, transmitter: 115 g  |
| Dimensions (W x H x D)                     | 19.5 x 19.8 x 14.5 cm  |

### Non-Conformity of Radio Tuner Frequency Band

The technical design of the device allows a frequency band beyond the permitted frequency band limits to be received. In some countries, different local regulations may apply for the assigned broadcasting frequency bands. Please note that you are not allowed to receive, process, pass to third-parties or use in any form any information that you receive beyond the assigned broadcasting band.

## Details of Guarantee

**36 month warranty from date of purchase**



**United Kingdom**

### Important warranty information

**SILVERCREST®**

Dear Customer,

Thank you for purchasing a Silvercrest product.

Please carefully read through the enclosed documentation or online help before putting your Silvercrest product into service. If you have a problem, which can't be solved in this way, please contact our hotline.

If the problem cannot be solved over the phone, you will be given a reference number (RMA), which you should enclose together with a copy of the proof of purchase. After you have packaged the unit safe for transport and in plain packaging, please send it for warranty processing, with the RMA noted on the outside of the package, to the address given to you by our hotline employee. After receiving the unit we will correct the manufacturing and material defect free of charge.

Up-to-date information and answers to the most frequently asked questions are available on the internet from: [www.silvercrest.cc](http://www.silvercrest.cc)

**Please note that the warranty period for rechargeable batteries is 12 months.**

This guarantee is valid in the UK.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

|                             |   |   |
|-----------------------------|---|---|
| <b>36</b><br>MONTH WARRANTY | <b>Hotline number:</b><br><b>0207-3650744</b><br><small>(Please have your<br/>serial number to hand!)</small> | <b>Manufacturer:</b><br>TARGA GmbH<br>Postfach 22 44<br>D-59482 Soest<br><a href="http://www.silvercrest.cc">www.silvercrest.cc</a> |
|-----------------------------|---|---|

**36 month warranty from  
date of purchase**



**Ireland**

## **Important warranty information**

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Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

**36**  
MONTH WARRANTY

**Hotline number:**

**01-2421583**

(Please have your  
serial number to hand!)

**Manufacturer:**

TARGA GmbH  
Postfach 22 44  
D-59482 Soest  
[www.silvercrest.cc](http://www.silvercrest.cc)





## Declaration of Conformity

We: Targa GmbH  
Lange Wende 41  
59494 Soest, Germany

declare our responsibility that the

**product:** Wireless Headphone  
**model:** SilverCrest RFH 1863

is confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to the Council Directive R&TTE 1999/5/EC.

The measurements were carried out in accredited laboratories.

For the evaluation of above mentioned Council Directive R&TTE following standards were consulted:

**EN 301 489-1 V1.8.1**  
**EN 301 489-9 V1.4.1**  
**EN 301 357-1 V1.3.1**  
**EN 301 357-2 V1.3.1**

**EN 60065: 2002 + A1:2006**

**EN 50371: 2002**

Soest, 02<sup>nd</sup> of July 2009  
authorised signature

Matthias Klauke, Managing Director

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